Applicant:

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Amendments to the Claims:

CLAIMS

- 1. (Currently Amended) A dual band antenna device comprising:
 - a dielectric substrate having-comprising opposed first and second surfaces;[[,]]
 - a groundplane disposed on the second surface;[[,]]
 - a microstrip transmission line <u>disposed</u> on the first surface;[[,]]
- a dielectric pellet mounted on the first surface on the microstrip transmission line;[[,]] and
- a bifurcated planar inverted-L antenna (PILA) component mounted on the first surface, wherein the PILA component is electrically connected to the groundplane and having comprises first and second arms which extend over and contact a surface of the dielectric pellet, wherein the first arm contacting contacts a different area of the surface of the dielectric pellet than the second arm, the PILA also being electrically connected to the groundplane.
- 2. (Currently Amended) <u>The A-device as claimed in of claim 1</u>, wherein the dielectric pellet is made of comprises a high permittivity ceramics material.
- 3. (Currently Amended) <u>The A-device as claimed in of claim 1-or 2</u>, wherein the dielectric pellet is <u>comprises</u> an elongate structure with a generally flat exposed surface facing away from the first surface of the dielectric substrate.
- 4. (Currently Amended) <u>The A-device as claimed in of claim 3</u>, wherein the dielectric pellet <u>is-formed as comprises</u> a bridge structure with <u>comprising</u> first and second feet that contact the microstrip transmission line.
- 5. (Currently Amended) The A-device as claimed in of claim 3-or-4, wherein the bifurcated PILA is arranged substantially disposed in line with the elongate dielectric pellet, and wherein the first arm of the PILA extends across and contacts substantially a full length of the exposed surface of the dielectric pellet, while the second arm of the PILA is shorter than the first arm and contacts a smaller part of the exposed surface of the dielectric pellet.
- 6. (Currently Amended) <u>The A-device as claimed in any preceding claim of claim 1</u>, configured for operation in a first frequency band of 2.4 to 2.5GHz and a second frequency band of 4.9 to 5.9GHz.
- 7. (Currently Amended) A dual band antenna device comprising:
 - a dielectric substrate having comprising opposed first and second surfaces;[[,]]

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a groundplane disposed on the second surface;[[,]]

a bifurcated planar inverted-L antenna (PILA) component mounted on the first surface and electrically connected to the groundplane, wherein the PILA component is electrically connected to the groundplane and having comprises first and second electrically connected arms;[[,]] and

a dielectric pellet having comprising a surface connected to the first and second arms, wherein the dielectric substrate includes an aperture that is disposed beneath the dielectric pellet, wherein the pellet is connected to a coaxial feed line, and wherein the first arm of the PILA component contacts a different area of the surface of the dielectric pellet than the second arm, the PILA also being electrically connected to the groundplane.

8. (Cancelled)